



Standards

Actions

DOE Technical Standards Projects Initiated

The following DOE technical standards projects were recently initiated. If you have any questions or are interested in participating in the development of these standards, please contact the persons listed below.

- *Work Smart Standards Users Handbook*, Project Number MGMT-0002; Maggie Sturdivant, EH-31; 301-903-0077, FAX 301-903-0557, Maggie.Sturdivant@eh.doe.gov.
- *Criteria for Preparing and Packaging Plutonium Metals and Oxides for Long-term Storage*, Project Number PACK-0013 (revision of DOE-STD-3013-96); Ray Cooperstein, 301-903-5353, 301-903-7065, Raymond.Cooperstein@dp.doe.gov.
- *Industrial Hygiene Functional Area Qualifications*, Project Number TRNG-0012; M. Norman Schwartz, EH-31; 301-903-2996, FAX 301-903-4594, Norm.Schwartz@eh.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *The DOE Corporate Lessons Learned Program*, Project Number MGMT-0001 (revision of DOE-STD-7501-95, *Development of DOE Lessons Learned Programs*); W. Earl Carnes, EH-33; 301-903-5255, FAX 301-903-0557, Earl.Carnes@hq.doe.gov. Comments are due December 8, 1999.
- *Fire Protection Engineering Functional Area Qualifications*, Project Number TRNG-0011; M. Norman Schwartz, EH-31; 301-903-2996, FAX 301-903-6172; Norm.Schwartz@eh.doe.gov. Comments are due December 8, 1999.

DOE Project Canceled

The following DOE Technical Standards project was recently canceled. If you have any questions about this action, please contact one of the persons listed below.

- *Explosives Safety*, Project Number SAFT-0037; Gerald Meyers, EH-53, 301-903-3190, FAX 301-903-8817; Gerald.Meyers@eh.doe.gov. This project is being discontinued due to the publication of DOE M 440.1-1, *DOE Explosives Safety Manual*. If you have any comments on this action, you may contact Gerald Meyers or George Detsis, EH-53; 301-903-1488, FAX 301-903-8817, George.Detsis@hq.doe.gov.

Technical Standards Program Document Status as of 9/30/99

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	49	15	0

Total in process = 64

DOE Documents Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 1-800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, VA 22161 (703-605-6000 or FAX 703-605-6900).

Copies of DOE Technical Standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The following documents were recently posted on the TSP Web Site:

- DOE-HDBK-1122-99, *Radiological Control Technician Training*, July 1999.
- DOE-STD-1134-99, *Review Guide for Criticality Safety Evaluations*, September 1999.
- DOE-STD-1135-99, *Guidance for Nuclear Criticality Safety Engineer Training and Qualification*, September 1999.

Proposed Cancellation of DOE Technical Standards

The following DOE Technical Standards have been proposed for cancellation:

- DOE-NE-STD-1004-92, *Root Cause Analysis Guidance Document*, February 1992.
- DOE-STD-1059-93, *Guide to Good Practices for Maintenance Supervisor Selection and Development*, February 1993.



Visit the Technical Standards Program Web Site: <http://tis.eh.doe.gov/techstds/>

- DOE-ER-STD-6001-92, *Implementation Guide for Quality Assurance Programs for Basic and Applied Research*, December 1992. The Preparing Activity for this document has determined that ANSI/ISO/ASQ Z1.13-1998, *Quality Systems Guidelines for Research* is a suitable replacement.

These documents were listed in the five-year "sunset" review for FY 1998. Since no updating activity was initiated for them during FY 1998, they were subsequently listed with a status of "Cancellation Pending" in the FY 1999 sunset review. The DOE Preparing Activities for these standards have reported that the documents are no longer necessary. If you have any comments on this action, please contact George Detsis, EH-53; 301-903-1488, FAX 301-903-8817, Geoeg.Detsis@hq.doe.gov for DOE-STD-1059-93 and DOE-NE-STD-1004-92, or DeVaughn Nelson, SC-83; 301-903-5608, DeVaughn.Nelson@science.doe.gov for DOE-ER-STD-6001-92.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, FAX 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on the same may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web Site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASHRAE 138P, *Methods of Testing for Rating Hydronic Radiant Ceiling Panels* (new standard) - October 26, 1999.
- ASTM Z7961Z, *Specification for Martensitic Stainless Steel Forgings and Forging Stock* (new standard) - October 26, 1999.
- ASTM C634, *Terminology Relating to Environmental Acoustics* (revision of ANSI/ASTM C634-99) - October 26, 1999.
- ASTM Z7965Z, *Specification for Castings, Nickel-Aluminum Ordered Alloy* (new standard) - October 26, 1999.
- AWS C4.5M:199X, *Uniform Designation System for Oxyfuel Nozzles* (new standard) - November 9, 1999.

- AWS F1.1, *Method for Sampling Airborne Particulates Generated by Welding and Allied Processes* (revision of ANSI/AWS F1.1-92) - November 9, 1999.
- AWWA C222, *Polyurethane Coatings for the Interior and Exterior of Steel Water Pipe and Fittings* (new standard) - November 9, 1999.
- ISA dS77.42.01, *Fossil Fuel Plant Feedwater Control System - Drum Type* (new standard) - October 26, 1999.
- NEMA AB 4-1996, *Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications* (new standard) - October 26, 1999.
- NETA ETT, *Certification of Electrical Testing Personnel* (new standard) - November 9, 1999.
- NETA MTS 7.6.1.2-1997, *Electrical Maintenance Testing of Low-Voltage Power Circuit Breakers* (new standard) - November 9, 1999.
- NETA MTS 7.6.2.2-1997, *Electrical Maintenance Testing of Medium-Voltage Oil Circuit Breakers* (new standard) - November 9, 1999.
- NFPA 286, *Standard Methods of Test for Evaluating Room Fire Growth Contribution of Wall and Ceiling Interior Finish* (new standard) - November 9, 1999.
- NFPA 851, *Recommended Practice for Fire Protection for Hydroelectric Generating Plants* (revision of ANSI/NFPA 851-1996) - November 9, 1999.
- NFPA 1006, *Standard for Rescue Technician Professional Qualifications* (new standard) - November 9, 1999.
- NFPA 1250, *Recommended Practice in Emergency Service Organization Risk Management* (new standard) - November 9, 1999.
- UL 971, *Standard for Safety for Nonmetallic Underground Piping for Flammable Liquids* (new standard) - October 26, 1999.

The following newly published American National Standards are available from the American Nuclear Society (708-579-8269):

- ANSI/ANS-6.1.2-1999, *Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection Calculations for Nuclear Power Plants* (revision of ANSI/ANS-6.1.2-1989).
- ANSI/ANS-8.7-1998, *Guide for Nuclear Criticality Safety in the Storage of Fissile Materials* (revision of N16.5-1975).
- ANSI/ANS-15.2-1999, *Quality Control for Plate-Type Uranium-Aluminum Fuel Elements*, (revision of ANSI/ANS-15.2-1990).

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 60062:1993/prA11:1999, *Marking codes for resistors and capacitors* - November 5, 1999.
- HD 384.4.473 S1:1980/prA1:1999, *Electrical installations of buildings - Part 4: Protection for safety - Chapter 47: Application of protective measures for safety - Section 473: Measures of protection against overcurrent* (IEC 60364-4-473:1977/A1:1998) - November 5, 1999.
- ISO/DIS 3977-4, *Gas turbines - Procurement - Part 4: Fuels and environment* - October 30, 1999.
- ISO/DIS 5349-1, *Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 1: General guidelines* - November 20, 1999.

- ISO/DIS 6570, *Natural Gas - Determination of potential hydrocarbon liquid content - Gravimetric methods* (revision of ISO 6570-1:1983 and of ISO 6570-2:1984) - November 20, 1999.
- ISO/DIS 6946:1996/DAM 1, *Building components and building elements - Thermal resistance and thermal transmittance - Calculation method - Amendment 1* - November 27, 1999.
- ISO/DIS 8529-1, *Reference neutron radiations - Part 1: Characteristics and methods of production* - November 6, 1999.
- ISO/DIS 9809-3, *Gas cylinders - Refillable seamless gas cylinders - Design, construction and testing - Part 3: Normalized steel cylinders* - November 6, 1999.
- ISO/DIS 10294-4, *Fire resistance tests - Fire dampers for air distribution systems - Part 4: Test of thermal release mechanism* - October 30, 1999.
- ISO/DIS 13704, *Petroleum and natural gas industries - Calculation of heater-tube thickness in petroleum refineries* - November 27, 1999.
- ISO/DIS 17493, *Clothing for protection against heat and flame - Determination of convective heat resistance using a hot air circulating oven* - October 30, 1999.
- prEN 1504-10, *Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 10: Site application of products and systems and quality control of the works* - December 15, 1999.
- prEN 12617-3, *Products and systems for the protection and repair of concrete structures - Test methods - Part 3: Determination of early age linear shrinkage for structural bonding agents* - December 8, 1999.
- prEN 13068-3, *Non-destructive testing - Radioscopic testing - Part 3: General principles of radioscopic testing of metallic materials by X- and gamma rays* - December 8, 1999.
- prEN 13554, *Non-destructive testing - Acoustic emission - General principles* - December 8, 1999.
- prEN 13562, *Geotextiles and geotextile-related products - Determination of resistance to penetration by water (hydrostatic pressure test)* - December 8, 1999.
- prEN 13656, *Characterization of waste - Microwave assisted digestion with hydrofluoric (HF), nitric (HNO₃) and hydrochloric (HCl) acid mixture for subsequent determination of elements in waste* - December 15, 1999.
- prEN 13657, *Characterization of waste - Digestion for subsequent determination of aqua regia soluble portion of elements in waste* - December 15, 1999.
- prEN ISO 16017-2, *Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 2: Diffusive sampling* (ISO/DIS 16017-2:1999) - November 1, 1999.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Iron and Steel Institute

Office: 1101 17th Street, NW Suite 1300
Washington, D.C. 20036

Fax: 202-463-6573

Contact: Kevin Bielat, KBielat@steel.org

- AISI COFS/WIND99-1, *High Wind Standard for Cold-Formed Steel Framing* (new standard).

American Society of Mechanical Engineers

Office: 3 Park Avenue, 20th Floor
New York, NY 10016

Fax: 212-591-8501

Contact: Ryan Crane, craner@asme.org

- ASME B18.20.1, *Fastener Elements Non-Metallic, Self-Locking Elements* (new standard).

Instrument Society of America

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Fax: 919-549-8288

Contact: Eliana Beattie, ebeattie@isa.org

- ISA dS67.06.01, *Nuclear Safety-Related Instrument Channels in Nuclear Power Plants, Response Time Testing of* (new standard).

National Electrical Contractors Association

Office: 3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814

Fax: 301-215-4500

Contact: Brooke Stauffer, brooke@necanet.org

- NECA 1, *Practices for Good Workmanship in Electrical Construction* (new standard).

Underwriters Laboratories, Inc.

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Fax: 919-547-6177

Contact: Caren Helms, helmsc@ul.com

- UL 347, *Standard for High Voltage Industrial Control Equipment* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Web Site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:

(the due date for all items is October 10, 1999).

- New Standard, *Method of Tests for Fire Door Assemblies Under Positive Pressure* (Ref. Z0889Z).
- New Standard, *Practice for Full-Scale Oxygen Consumption Calorimetry Fire Tests* (Ref. Z6379Z).

- New Standard, *Guide for Use of Coal Combustion Products for Solidification/Stabilization of Inorganic Wastes* (Ref. Z6616Z).
- New Standard, *Test Method for Specific Gravity and Absorption of Rock for Erosion Control* (Ref. Z6758Z).
- New Standard, *Guide for the Development and Implementation of a Sustainable Development Program* (Ref. Z7050Z).
- New Standard, *Practice for Calculating the Superimposed Load on Wood-Frame Walls for Standard Fire Endurance Tests* (Ref. Z7471Z).
- New Standard, *Guide for In-Situ Burning of Spilled Oil: Ignition Devices* (Ref. Z7493Z).
- New Standard, *Practice for Evaluation of Explosives Vapor Detectors* (Ref. Z7528Z).
- New Standard, *Method for Reaction Induction Time by Thermal Analysis* (Ref. Z7637Z).
- New Standard, *Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays* (Ref. Z7759Z).
- D 1711-98, *Terminology Relating to Electrical Insulation* (revised standard).
- E 943-97b, *Terminology Relating to Biological Effects and Environmental Fate* (revised standard).
- E 1039-94, *Test Method for Calibration and Characterization of Non-Concentrator Terrestrial Photovoltaic Reference Cells Under Global Irradiation* (revised standard).
- E 1328-94, *Terminology Relating to Photovoltaic Solar Energy Conversion* (revised standard).

The following newly published standards are available from ASTM:

- B 898-99, *Specification for Reactive and Refractory Metal Clad Plate* (new standard).
- C 634-99, *Terminology Relating to Environmental Acoustics* (revised standard).
- C 1427-99, *Specification for Preformed Flexible Cellular Polyolefin Thermal Insulation in Sheet and Tubular Form* (new standard).
- D 5847-99, *Practice for Writing Quality Control Specifications for Standard Test Methods for Water Analysis* (new standard).
- F 1939-99, *Test Method for Radiant Protective Performance of Flame Resistant Clothing Materials* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: To update the distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, lj8@ornl.gov.



Standards *Actions*

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